

FUNDING AGREEMENT

**Between the Department of Energy of the United States of America
and the Institute for Occupational Health of the Academy of Medical Sciences of Ukraine
Pertaining to Radiation Risk Assessment of Cataract Development
in a Dose-Defined Cohort of Workers Involved in the Chernobyl Accident
in Support of the Ukrainian-American Cataract Study**

Purpose:

The purpose of this Funding Agreement is to establish the framework for the receipt, distribution, and accountability of funds to be provided by the U.S. Department of Energy (hereinafter referred to as DOE) to the Institute for Occupational Health of the Academy of Medical Sciences of Ukraine (hereinafter referred to as IOH) for performing the ocular exams and epidemiologic follow-up needed in support of the six-year Ukrainian-American Ocular Radiation Effects in Chernobyl Liquidators study. This study is investigating radiation-induced cataract formation in 12,000 Ukrainian liquidators, and contains a nested case-control analysis of the 1986-1987 liquidators to assess the distribution of radiation-induced cataracts as a function of dose. The American Principal Investigator is Dr. Basil Worgul of Columbia University, New York.

The current project, "Radiation Risk Assessment of Cataract Development in a Dose-Defined Cohort of Workers Involved in the Chernobyl Accident" (hereinafter referred to as "Epidemiology and Ocular Examinations") is needed to identify, recruit, examine, and study through epidemiologic methods the 12,000 member cohort comprising the Ukrainian-American Eye Cataract Study. The Ukrainian Principal Investigator is Academician Yuri Kundiev, Director, IOH, Kiev, Ukraine. Without the epidemiologic and ophthalmologic evaluation of the cohort, the cataract study cannot proceed.

Parties:

The responsible parties are the Director, Office of International Health Programs, DOE, and the Director, IOH.

Scope:

The scope of the Agreement pertains only to those funds transferred directly by DOE to IOH for activities directly related to the identification, recruitment, ophthalmologic examination, and epidemiologic evaluation of the cohort.

Areas of Agreement:

1. DOE will provide to IOH U.S. funds to be allocated, distributed, and used solely for the development and implementation of the Epidemiology and Ocular Examinations study.
2. Over a four-year period, the estimated cost of the Epidemiology and Ocular Examinations study is approximately \$230,000. The funding for year one is \$45,000. Funds for years two, three, and four will be dependent upon the availability of DOE funds. With the signing of this document, transfer of \$25,000 U.S. funds will be made to support the project. Funds for subsequent six-month intervals will be transferred upon receipt and approval of a brief status report and a financial report for the previous six months of the study. Status reports shall be submitted not later than April 15 and October 15 of each year.
3. U.S. funds will be transferred to the account specified by IOH. The U.S. funds will not be subject to taxes, duties, or other handling or administrative charges beyond modest bank transfer fees.
4. U.S. funds will be allocated in the following manner:
 - A. Up to ten (10) percent of the total DOE monies shall be used for administrative or indirect costs directly related to the Ukrainian-American Ocular Radiation Effects in Chernobyl Liquidators study;
 - B. Up to twenty-five (25) percent of the total DOE funds may be spent for travel directly related to the Ukrainian-American Ocular Radiation Effects in Chernobyl Liquidators study; and
 - C. The remainder of the funds shall be allocated for supplementary personnel support. Personnel support is understood to include primarily direct salary supplementation allocated to individual project personnel based on the percent effort each person spends on the Ukrainian-American Ocular Radiation Effects in Chernobyl Liquidators study and their professional duties in the study. Funds will be allocated in two categories: support personnel will be paid between \$50 and \$250 per month, depending upon the level of responsibility; professional staff will be paid between \$100 and \$500 per month, depending upon the level of responsibility.
5. Funding every six months will be initiated upon receipt of the following elements:
 - A. An expense report for the previous six (6) months using a format similar to the one specified in the enclosed form "Progress Report - Financial Reporting Format;"
 - B. A list of milestones accomplished in the next six (6) months using a format similar to the one specified in the enclosed form "Sample Format - Progress Report;"

- C. A list of milestones to be accomplished in the next six (6) months; and
- D. An invoice describing the number of person-months anticipated to accomplish the milestones to be accomplished in the next six (6) months using a format similar to the one specified in the enclosed form "Budget Request."
- E. The following bank account information for the wire transfer of funds:
 - 1. U.S. Bank Name
 - 2. U.S. Bank Account Number
 - 3. SWIFT
 - 4. Bank Street Address
 - 5. Bank City, Country, and Zip Code
 - 6. Beneficiary's Name
 - 7. Beneficiary's Bank Name
 - 8. Beneficiary's Account Number
 - 9. Name and Passport Number of Person Authorized to Retrieve the Funds
- 6. Reports are to be sent to the Project Manager at DOE's Office of International Health Programs.

Site Visits:

At the mutual convenience of both parties, DOE staff may visit Ukraine to learn about the progress of the Epidemiology and Ocular Examinations study.

General Provisions:

Cooperation under this Agreement will be in accordance with the laws and regulations under which each party operates. Funds shall be provided subject to the availability of appropriated funds and to the mutual consent of the two parties.

Entry Into Force and Termination:

This Funding Arrangement is subject to the availability of DOE funds, and shall enter into force upon signing and remain in force until December 31, 2001.

This agreement is for approximately four (4) years to coincide with the four years remaining on the cataract study. At the end of each grant year, based on the availability of funds, and based on the quality of work, DOE will decide whether to continue support.

This Agreement may be amended by the mutual consent of both parties.

This Agreement may be terminated by either party upon sixty (60) days written notice to the other party.

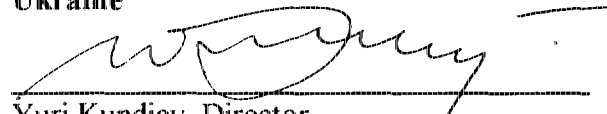
**For the U.S. Department of Energy
Office of International Health Programs**



Frank Hawkins, Director

Date: 9/26/97

**For the Institute for Occupational Health
of the Academy of Medical Sciences of
Ukraine**



Yuri Kundiev, Director

Date: 9/30/97